



U.S. Department
of Transportation
**Research and
Special Programs
Administration**

400 Seventh St., S.W.
Washington, D.C. 20590

APR 16 2003

DOT-E 13135

EXPIRATION DATE: March 31, 2005

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Space Systems/Loral
Palo Alto, CA
2. PURPOSE AND LIMITATION:
 - a. This exemption authorizes the transportation in commerce of a Space Systems/Loral FS-1300 series satellite assembly containing non-DOT specification pressure vessels pressurized with certain Division 2.2 materials. This exemption provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein.
 - b. The safety analyses performed in development of this exemption only considered the hazards and risks associated with transportation in commerce. The safety analyses did not consider the hazards and risks associated with use as a component of a transport vehicle or other device, or other uses not associated with transportation in commerce.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 173.302 in that a non-DOT specification pressure vessel is not authorized, except as specified herein.
5. BASIS: This exemption is based on the application of Space Systems/Loral (SS/L) dated August 30, 2002 and additional information dated October 10, 2002, submitted in accordance with § 107.105 and the public proceeding thereon.

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6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous Material Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Argon, compressed	2.2	UN1006	N/A
Helium, compressed	2.2	UN1046	N/A
Nitrogen, compressed	2.2	UN1066	N/A
Xenon, compressed	2.2	UN2036	N/A

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Prescribed packagings are non-DOT specification pressure vessels which are part of a Space Systems/Loral FS-1300 series satellite assembly described in SS/L's application on file with the Office of Hazardous Materials Exemptions and Approval (OHMEA). The containers are Pressurant Tanks (Loral Part Nos. E137830-01, E137830-02 and E137830-04): Aluminum Alloy 6061-T6 cylinders with graphite-epoxy composite (T1000) overwrap, fitted with metal bosses at each end. The tanks are 13 inches in diameter and 39 inches long, designed and tested for a working pressure of 4000, 2700 and 2700 psig per SS/L Specifications E125301, E172856 and E245929 and information provided in SS/L's application on file with the OHMEA. The tanks may not be charged to a pressure exceeding 275 psig during transportation.

b. OPERATIONAL CONTROLS: The satellite must be shipped in the Satellite Container Shown on SS/L drawing 37957 on file with the OHMEA.

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8. SPECIAL PROVISIONS:

a. A current copy of this exemption must be maintained at each facility where the package is offered or reoffered for transportation.

b. The satellite shipping container must be marked "DOT-E 13135" on two opposite sides in letters at least 2 inches in height on the contrasting background.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle and cargo aircraft only.

10. MODAL REQUIREMENTS: A current copy of this exemption must be carried aboard each aircraft or motor vehicle used to transport packages covered by this exemption. The shipper shall furnish a copy of this exemption to the air carrier before or at the time the shipment is tendered.

11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this exemption and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:

- o All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
- o Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this exemption, including display of its number, when the exemption has expired or is otherwise no longer in effect.

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12. REPORTING REQUIREMENTS: The carrier is required to report any incident involving loss of packaging contents or packaging failure to the Associate Administrator for Hazardous Materials Safety (AAHMS) as soon as practicable. (Sections 171.15 and 171.16 apply to any activity undertaken under the authority of this exemption.) In addition, the holder(s) of this exemption must inform the AAHMS, in writing, of any incident involving the package and shipments made under the terms of this exemption.

Issued in Washington, D.C.:



Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety

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(DATE)

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Research and Special Programs Administration, Department of Transportation, Washington, D.C. 20590.
Attention: DHM-31.

Copies of this exemption may be obtained by accessing the Hazardous Materials Safety Homepage at <http://hazmat.dot.gov/exemptions> Photo reproductions and legible reductions of this exemption are permitted. Any alteration of this exemption is prohibited.

PO: sstaniszewski

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The following are hereby granted party status to this exemption based on their application(s) submitted in accordance with § 107.107 or § 107.109, as appropriate:

Company Name City/State	Application Date	Issue Date	Expiration Date
Arnold Defense Center Arnold Airforce Base Nashville, TN	8/30/2003	APR 16 2003	3/31/2005
Astrotech Titusville, FL	8/30/2003	APR 16 2003	3/31/2005
Boeing Aerospace Kent, WA	8/30/2003	APR 16 2003	3/31/2005
Boeing Aerospace Seal Beach, CA	8/30/2003	APR 16 2003	3/31/2005
Cape Canaveral Air Station Titusville, FL	8/30/2003	APR 16 2003	3/31/2005
Jet Propulsion Lab Pasadena, CA	8/30/2003	APR 16 2003	3/31/2005
Lockheed Martin Sunnyvale, CA	8/30/2003	APR 16 2003	3/31/2005
Moffett Naval Air Station Mt. View, CA	8/30/2003	APR 16 2003	3/31/2005
Oakland Airport Oakland, CA	8/30/2003	APR 16 2003	3/31/2005
United States Sea Launch Long Beach, CA	8/30/2003	APR 16 2003	3/31/2005



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Hazardous Materials Safety